INDEX

ABDUL-RASSAK, S. Y. and LAING, E. W. Transport coefficients for an equal-mass plasma in a uniform magnetic field, 125

ACHATZ, U. *See* SCHLICKEISER, R. and ACHATZ, U.

AHMED, Z. *See* MOFIZ, U. A., ISLAM, M. and AHMED, Z.

ALLEN, J. E. and SKORIK, M. A. The Bohm criterion in the presence of radio-frequency fields, 243

ALLEN, M. A. and ROWLANDS, G. Determination of the growth rate for the linearized Zakharov–Kuznetsov equation, 413

ASHKENAZY, J. *See* ZOLER, D., CUPERMAN, S., ASHKENAZY, J., CANER, M. and KAPLAN, Z.

AVANISH, K. and BEREZHIANI, V. I. Wake field in electron-positron plasmas, 79

AZARENKOV, N. A., DENISENKO, I. B. and OSTRIKOV, K. N. Wave properties of a cylindrical antenna immersed in a magneto-active plasma, 369

BAILUNG, H. and NAKAMURA, Y. Observation of modulational instability in a multi-component plasma with negative ions, 231

BALESCU, R., VANDEN EIJNDEN, E. and WEYSSOW, B. The drift-wave dispersion equation revisited, 425

BENILOV, M. S. Perturbation region near a biased body in a flowing collision-dominated plasma with low ionization density. Current–voltage characteristics of a Langmuir probe, 293

BERA, B. *See* DAS, C., BERA, B., CHAKRABORTY, B. and KHAN, M.

BEREZHIANI, V. I. *See* AVANISH, K. and BEREZHIANI, V. I.

BERKOVSKY, M. A. Ion modes in strongly coupled two-component plasmas, 359

BHATTA, R. P. *See* KALITA, B. C., KALITA, M. K. and BHATTA, R. P.

BRODIN, G. and STENFLO, L. Effect of collisions on the magnetization current in a plasma, 325

BRUSATI, M. and DI VITA, A. Thermodynamic stability of a tokamak plasma, 201

CANER, M. *See* ZOLER, D., CUPERMAN, S., ASHKENAZY, J., CANER, M. and KAPLAN, Z.

CANOBBIO, E. and CROCI, R. Outline of a theory of lower-hybrid wave absorption, 251

CHAKRABORTY, B. *See* DAS, C., BERA, B., CHAKRABORTY, B. and KHAN, M.

CHEE-SENG, L. The neighbouring vibrating 'multiple water-bag' plasma potential and related aspects, 309

CROCI, R. Reflection and absorption of ordinary waves in an inhomogeneous plasma, 109

CROCI, R. *See* CANOBBIO, E. and CROCI, R.

CUPERMAN, S. *See* ZOLER, D., CUPERMAN, S., ASHKENAZY, J., CANER, M. and KAPLAN, Z.

DAS, C., BERA, B., CHAKRABORTY, B. and KHAN, M. Magnetic-moment field generation in the reflection region in a cold magnetized plasma, 191

DECONINCK, B., MEURIS, P. and VERHEEST, F. Oblique nonlinear Alfvén waves in strongly magnetized beam plasmas. Part 1. Nonlinear vector evolution equation, 445

DECONINCK, B., MEURIS, P. and VERHEEST, F. Oblique nonlinear Alfvén waves in strongly magnetized beam plasmas. Part 2. Soliton solutions and integrability, 457

DENISENKO, I. B. *See* AZARENKOV, N. A., DENISENKO, I. B. and OSTRIKOV, K. N.

DI VITA, A. The filamentary structure in the accelerating plasma sheath of a plasma focus: a simplified tri-dimensional analysis, 1

DI VITA, A. *See* BRUSATI, M. and DI VITA, A.

EL-LABANY, S. K. Contribution of higher-order nonlinearity to nonlinear ion-acoustic waves in a weakly relativistic warm plasma. Part 1. Isothermal case, 495

FEIX, M. R. *See* MOLA, S., MANFREDI, G. and FEIX, M. R.

GAŁKOWSKI, A. *See* ŻELAZNY, R. and GAŁKOWSKI, A.

ISLAM, M. *See* MOFIZ, U. A., ISLAM, M. and AHMED, Z.

JI-FENG, W. *See* ZHANG-HUI, TENG-CAI, M. and JI-FENG, W.

KALITA, B. C., KALITA, M. K. and BHATTA, R. O, Solitons in a magnetized ion-beam plasma system, 349

KALITA, M. K. *See* KALITA, B. C., KALITA, M. K. and BHATTA, R. P.

KAPLAN, Z. *See* ZOLER, D., CUPERMAN, S., ASHKENAZY, J., CANER, M. and KAPLAN, Z.

KHAN, M. *See* DAS, C., BERA, B., CHAKRABORTY, B. and KHAN, M.

KIM, S. H. Corrigendum, 345

LAING, E. W. *See* ABDUL-RASSAK, S. Y. and LAING, E. W.

MANFREDI, G. *See* MOLA, S., MANFREDI, G. and FEIX, M. R.

MELROSE, D. B. Scintillations in a magnetized plasma. Part 1. The mutual coherence function, 267

MELROSE, D. B. Scintillations in a magnetized plasma. Part 2. The fourth-order moment, 283

MEURIS, P. *See* DECONINCK, B., MEURIS, P. and VERHEEST, F.

MINARDI, E. Entropy of Vlasov equilibria and Hamilton's principle, 505

MOFIZ, U. A., ISLAM, M. and AHMED, Z. Nonlinear propagation of ion-acoustic waves and low-frequency electrostatic modes in a dusty plasma, 37

MOLA, S., MANFREDI, G. and FEIX, M. R. Expansion of a quantum electron gas, 145

NAKAMURA, Y. *See* BAILUNG, H. and NAKAMURA, Y.

OSTRIKOV, K. N. *See* AZARENKOV, N. A., DENISENKO, I. B. and OSTRIKOV, K. N.

PANDEY, H. D. *See* PARASHAR, J., PANDEY, H. D., RAMACHANDRAN, K. and SINGH, R. K.

PARASHAR, J., PANDEY, H. D., RAMACHANDRAN, K. and SINGH, R. K. Millimetre-wave second-haromonic generation in an underdense magnetoplasma in the presence of a magnetic wiggler, 339

RAMACHANDRAN, K. *See* PARASHAR, J., PANDEY, H. D., RAMACHANDRAN, K. and SINGH, R. K.

ROWLANDS, G. *See* ALLEN, M. A. and ROWLANDS, G.

SAWHNEY, B. K. *See* TRIPATHI, V. K., SAWHNEY, B. K. and SINGH, S. V.

SCHLICKEISER, R. and ACHATZ, U. Cosmic ray particle transport in weakly turbulent plasmas. Part 2. Mean free path of cosmic ray protons, 85

Sharma, S. C. and Tripathi, V. K. Excitation of ion-cyclotron waves by a spiralling ion beam in a plasma cylinder, 331

Shvets, V. F. and Swanson, D. G. Variational theory of the cyclotron emission source distribution from a mode conversion layer, 163

Singh, R. K. *See* Parashar, J., Pandy, H. D., Ramachandran, K. and Singh, R. K.

Singh, S. V. *See* Tripathi, V. K., Sawhney, B. K. and Singh, S. V.

Skorik, M. A. *See* Allen, J. E. and Skorik, M. A.

Stenflo, L. *See* Broding, G. and Stenflo, L.

Stewart, G. A. Nonlinear electrostatic waves in equal-mass plasmas, 521

Swanson, D. G. *See* Shvets, V. F. and Swanson, D. G.

Teng-Cai, M. *See* Zhang-Hui, Teng-Cai, M. and Ji-Feng, W.

Tripathi, V. K. *See* Sharma, S. C. and Tripathi, V. K.

Tripathi, V. K., Sawhney, B. K. and Singh, S. V. Anomalous absorption of a radio wave in the ionosphere, 403

Vakoulenko, M. O. Short-wave low-frequency equilibrium spectra in a current-carrying plasma, 45

Vanden Eijnden, E. *See* Balescu, R., Vanden Eijnden, E. and Weyssow, B.

Verheest, F. *See* Deconinck, B., Meuris, P. and Verheest, F.

Vladimirov, S. V. and Yu, M. Y. Low-frequency surface acoustic waves in a collisionless plasma, 71

Waelbroeck, F. L. Nonlinear growth of strongly unstable tearing modes, 477

Weyssow, B. *See* Balescu, R., Vanden Eijnden, E. and Weyssow, B.

Yu, M. Y. *See* Vladimirov, S. V. and Yu, M. Y.

Zakharov, V. U. An analytical method for the investigation of instability of a collisionless plasma in strong magnetic fields, 185

Żelazny, R. and Gałkowski, A. Relaxed state of a toroidal fusion plasma with stationary flows, 385

Zhang-Hui, Teng-Cai, M. and Ji-Feng, W. Three-dimensional equilibria in DRAKONs with an anisotropic temperature, 21

Zoler, D., Cuperman, S., Ashkenazy, J., Caner, M. and Kaplan, Z. A time-dependent model for high-pressure discharges in narrow ablative capillaries, 51